

It's Just a Story by Carrots

P00: Move Slowly and Fix Things

Mottaqi Abedin (PM), Jason Chan, Thomas Mackey, Yuhang Pan

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TARGET SHIP DATE: 2025-11-10

Program Components:

A. Flask App (Python)

- Connects to SQLite3 database: stores and retrieves user and story data
- Handle account creation, login/logout, account deletion with sessions
- Displays different pages (home, story pages)
- Routes direct users between pages (home, story, etc.) + Redirect between pages like logging in or out to homepage, submitting create/edit page forms to current story page
- Function for editing a page or content (updates database to prevent multiple edits by same user)

B. Templates (HTML templates for each page w/ Jinja2)

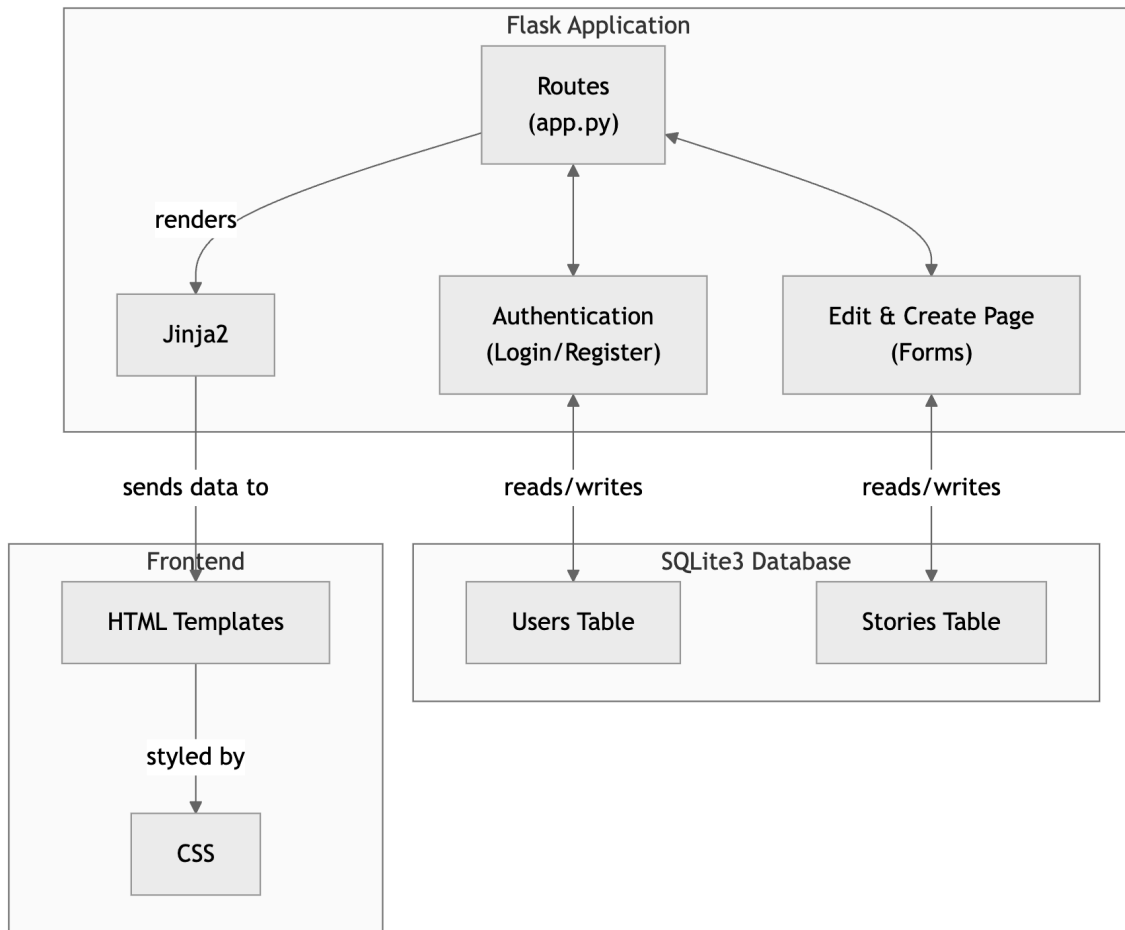
- Landing page (homepage showing profile info: name, bio, stories they contributed to; option to create story; if not logged in, link to login/register page; also option to delete account)
- Consistent navbar on all pages with search bar for stories and a logout button
- Login & Register page (handles authentication)
- Dynamic template for story page (includes page content, edit button that takes user to the edit page only if they haven't edited yet, and unique page IDs)
- Create page (submission form for new pages, adds to stories table with user id)
- Edit page (edit the current contents of the story page user is on, use forms with inputs that contains the former contents of the story; adds user's edits and id to database)

C. Database (SQLite3)

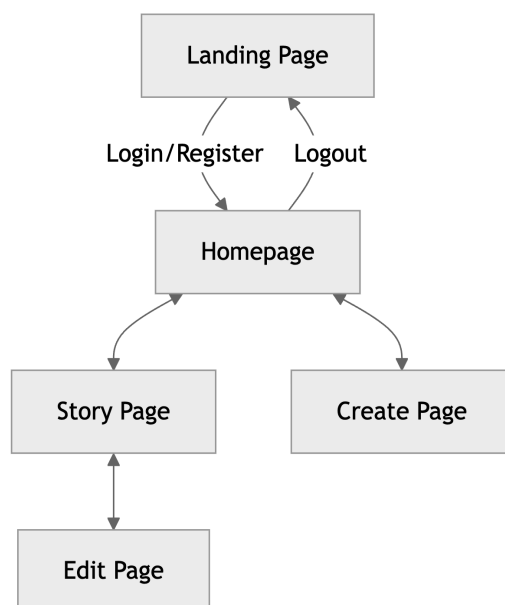
- Users (user_id, name, bio, password, list of story_ids)
- Pages (story_id, list of user_ids, title, content)

D. Optional CSS

Component Map:



Site Map:



Database Organization:

USERS

TEXT	name	PK	Username is unique
TEXT	bio		
TEXT	password		Used for authentication (next step: perhaps hash it to make it more secure)

STORIES

INTEGER	story_id	PK	Unique identifier for each story, autoincrements
TEXT	title		
TEXT	content		Latest updated text of story
DATE	last_update		Date of last update
TEXT	author_name	FK	User that created the story

EDITS

INTEGER	edit_id	PK	Autoincrements
INTEGER	story_id	FK	Story edited
TEXT	author_name	FK	User that edited
TEXT	content		Added content

Tasks:

- Project Setup (Mottaqi)
 - Create main flask project and manage repo
- Database Design (Jason)
 - Make SQLite tables for users and pages
 - Connect database and use queries & updates
- Authentication (Yuhang)
 - Add login, registration, and logout functionality using sessions
- Story Page Functionality (Thomas)
 - Build routes for viewing, creating, and editing pages
- Templates and Frontend (Jason)

- Create HTML templates for home, login, create, and edit pages
- Homepage (Yuhang)
 - Display user info and list of created/edited stories
- Optional styling using CSS (Thomas)
 - Add simple custom CSS for better appearance and readability without removing basic HTML functionality